

ABSTRACT

Porous plate 13 is disposed between wind box 11 of dispersion board B and cylindrical vessel wall 12. Filling layer 14 of a structure packed with ceramic particles such as those of fused silica is disposed on the porous plate 13 so as to fill the inside of the cylindrical vessel wall. The filling layer 14 is composed of ceramic particles, so that the corrosion wear by chlorine gas can be inhibited and the durability thereof enhanced. Furthermore, a chlorine resistant member is disposed in a form so as to adhere to the internal surface of the cylindrical vessel wall 12, so that the corrosion wear by chlorine gas of the cylindrical vessel wall 12 can also be effectively inhibited. As a result, damage to the internal wall of the chlorination furnace can be minimized, and the state of allowing chlorine gas to be uniformly dispersed and supplied to fluidized bed 4 containing titanium ore and coke can be maintained for prolonged periods.